STEP

Status Tool For The Environmental Program

Decision Sciences Inc.

U. S. Army, Joint Munitions Command (JMC) Installations

Report Documentation Page

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AGENDA

- Decision Sciences Inc. (DSI)
  - ✓ Background
  - ✓ Customers
- Status Tool For The Environmental Program (STEP) for JMC
  - ✓ What is STEP?
  - ✓ Why STEP?
  - ✓ Timeline
  - ✓ Roles & Responsibilities
  - ✓ Main Page
  - ✓ Functional Elements
  - ✓ Project Detail Page
  - ✓ Reports Page
  - ✓ Next Generation Possibilities
    - Geographic Information System (GIS) Mapping
    - Dashboard Technology

DSI - BACKGROUND

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DSI Locations

Fort Walton Beach, FL

Rock Island, IL

Core Competencies	
Computer Engineering & Science	3D Data Modeling & Simulation
Software Engineering/IT	Advanced Web-based Programming
Data Collection & Analysis	Interactive Multimedia Training Program
Manufacturing Systems	Operations & Maintenance
Operations Research	Industrial Base Applications

Personnel Strengths	
Smithsonian Honoree	PhDs & Masters
Advanced Technical Degrees	Operating System Certification
Oracle Database Certification	Subject Matter Expert
CompTIA Certification	DoD Info Assurance Tech Certification

Expertise	
IT Architecture, Engineering, and Equipment	Database Design/Development/Management
Systems Management	Web-based Application Programming
Cost & Risk Analysis	Operations & Maintenance
Chemical Engineering	Operations Research/Studies & Analysis
Logistics	Manufacturing/Industrial Base/Ammunition Systems
LEAN SIX SIGMA	Process Methodologies

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DSI - CUSTOMERS

US Air Force

- Air Force Research Laboratory
- 46th Range Support

US Army

- Joint Munitions Command (JMC)
- Program Executive Office for Ammunition (PEO Ammo)
- Tank and Automotive Command (TACOM)

US Marine Corps

- USMC Program Manager for Ammunition (PM Ammo)

Commercial

- Raytheon Missile Systems
  - Tomahawk Cruise Missile
  - Paveway Missile System
  - Evolved Sea Sparrow Missile

WHAT IS STEP?

- Secure Dynamic Web Based Application for Army Environmental Requirements
- Tracks & Standardizes "*All*" Environmental Program Requirements
- Managed & Resides at Headquarters, JMC
- Integrated Process Team (IPT) Driven

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WHY STEP?

- Provides Most Current Information Available, Application Access is 24/7
- Promotes Roles & Responsibilities (Seven Levels Of Functionality)
- Extremely Versatile And Detailed, Easy To Use *(Based On Feedback From Installation Users)*
- Provides A Standard Nucleus That Can Support "All" Army Installations To Include "Special Installations" Such As The Army Ammunition Plants
  - ✓ Captures "*All*" Funded And Non-Funded Environmental Requirements And Contingencies In Project Form Such As Mission Related Requirements/Projects Resulting From But Not Limited To:
    - The Lifecycles Of Explosives And Propellants Manufacturing and Disposal
    - The Waste Streams Of Explosives, Propellant, And Metal Manufacturing Processes
    - Production Modernization
    - Unexpected Requirements Such As HAZMAT Spills
    - Demolition
    - ***Possible Project Types Are Limitless***
- Easy Integration With The JMC Industrial Base Assessment Tool (IBAT)
- Can Easily Select The OMA Projects And Provide The Most Current Information To DA, AMC, IMCOM, and/or AEC On A Moment's Notice
  - ✓ Outstanding Resource and Time Savings

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STEP TIMELINE

CONTINUOUS WEEKLY IPT MEETINGS

UNCLASSIFIED

STEP ROLES & RESPONSIBILITIES

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Level 7	• **Installation View Only** - Person(s) with Read only access for "ALL" projects/data for his/her installation only.
Level 6	• **Installation Environmental Manager (IEM)** - Person(s) that have read/write access to submit new and edit installation projects for only their specific installation.
Level 5	• **Installation Approval Authority** - Person(s) who have the authority to prioritize and approve projects for only their specific installation.
Level 4	• **JMC Project Manager (PM)** - Person(s) that can edit installation projects based on a specific program and/or submits new HQ & installation projects.
Level 3	• **JMC Division Chief** - Person(s) that have read/write access and HQ project approval authority.
Level 2	• **Administrator** - Person(s) that have read/write access to most aspects of the system. He/she will provide maintenance and support of the web-based application.
Level 1	• **HQ View Only** - Anyone who needs Read-Only access to the data for "ALL" projects, i.e., JMC Command, AMC Command & staff, DA Command & Staff, etc.

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STEP – MAIN PAGE

NOTE: All Data Illustrated In The STEP Slides Is "Fictional" Data That Was "Used For Test Purposes Only"

STEP – FUNCTIONAL ELEMENTS

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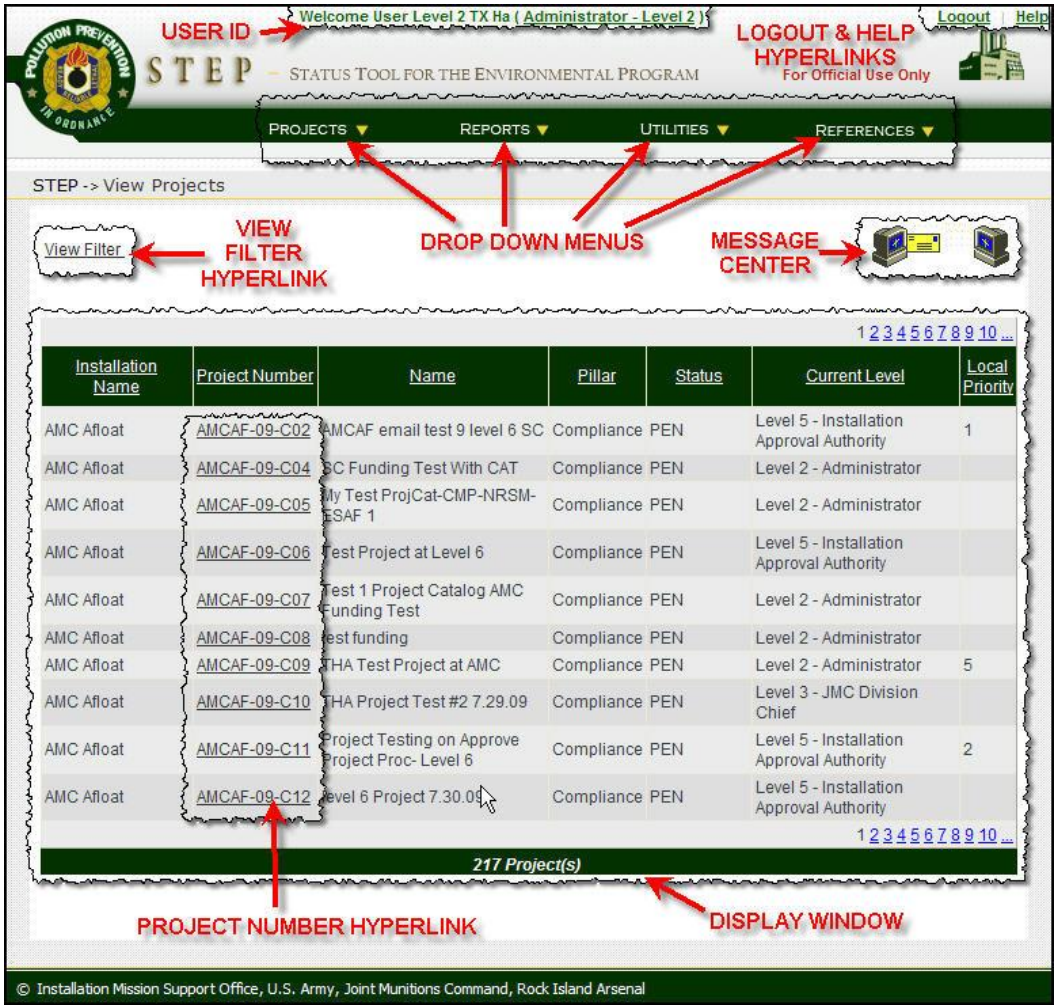

STEP – PROJECT DETAIL PAGE

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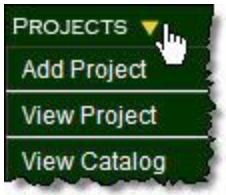

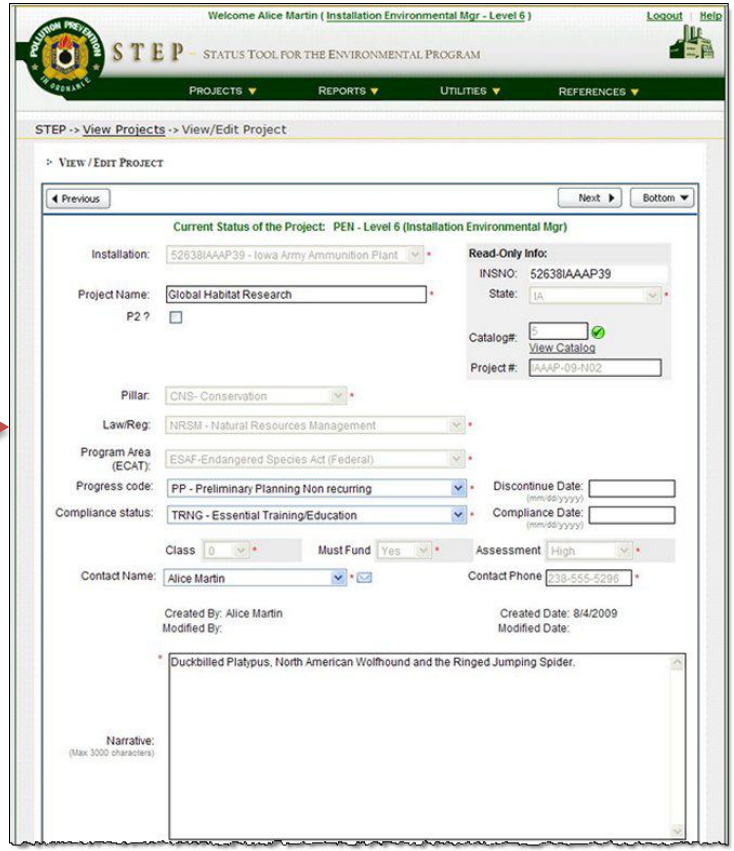

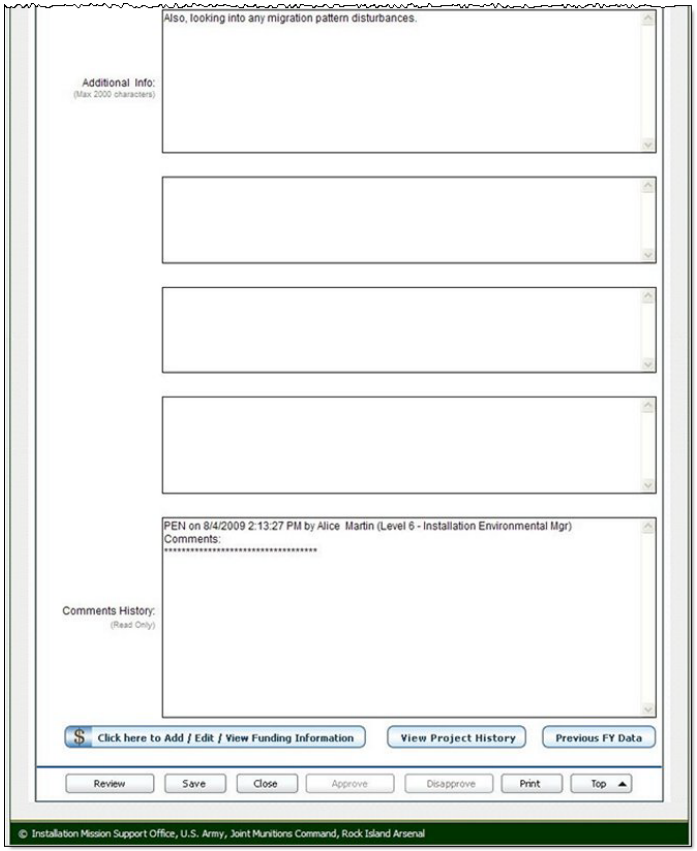

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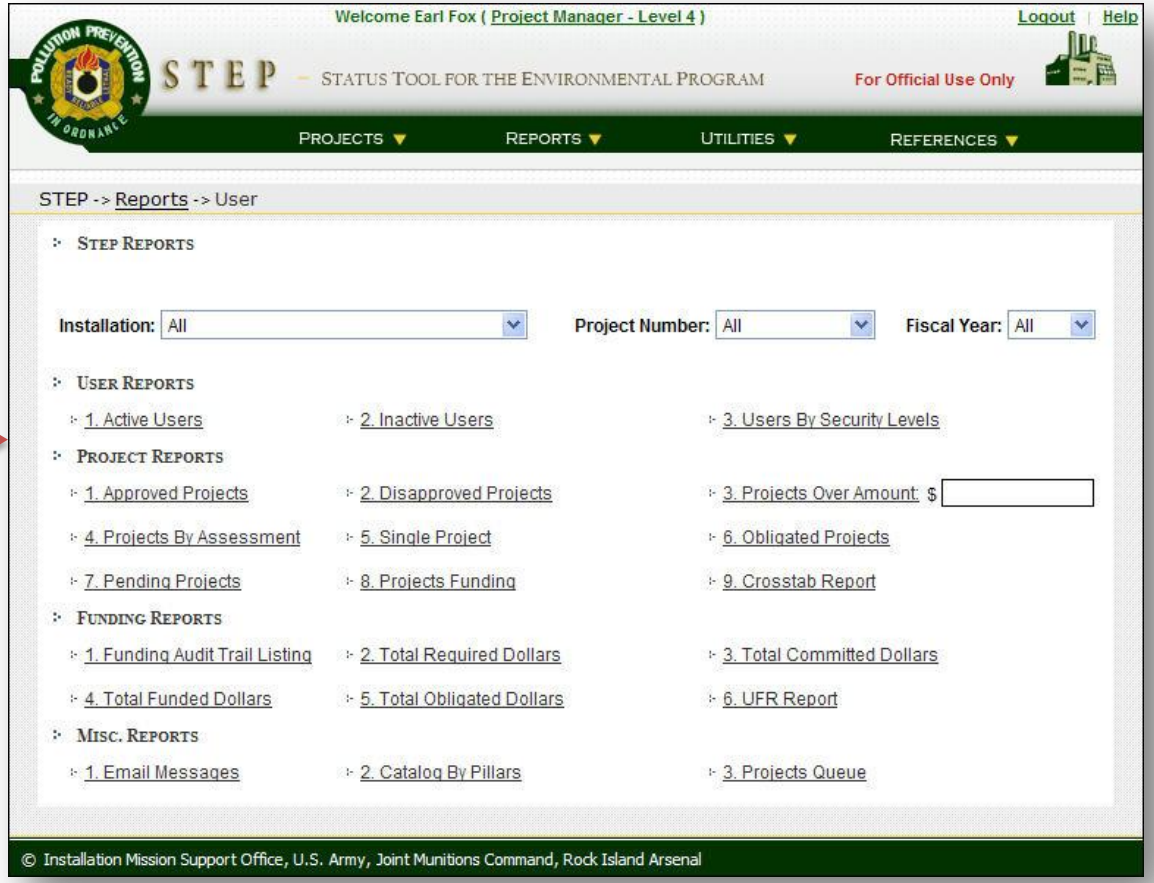
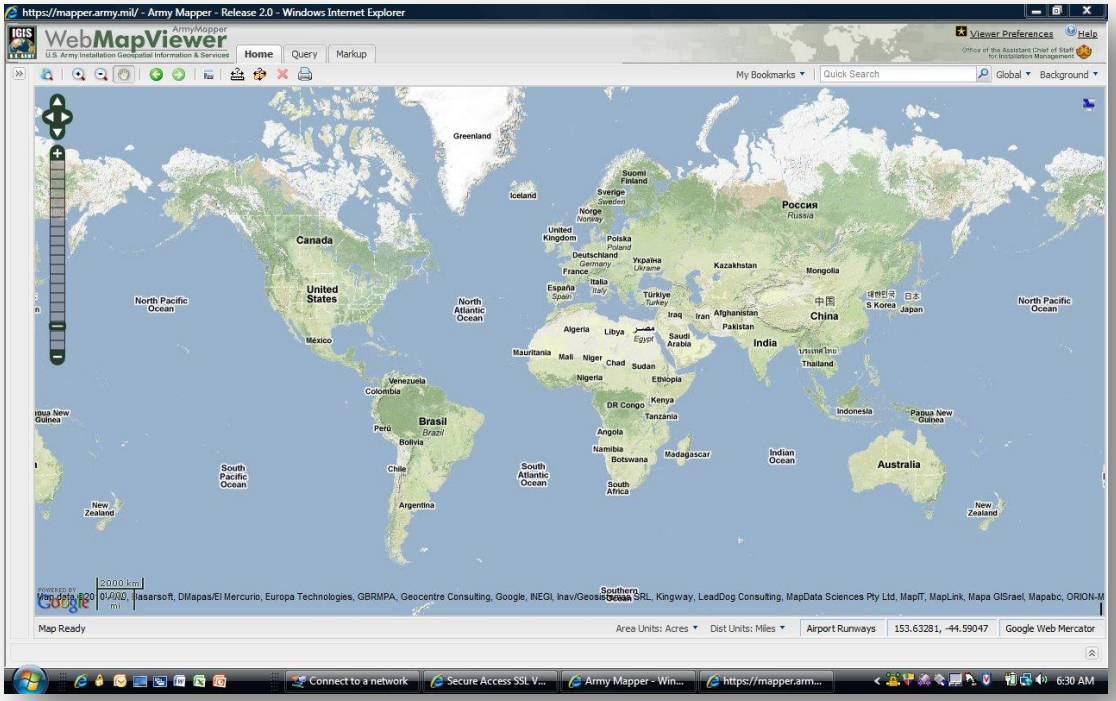
STEP – USER REPORTS



All Reports Can Be Exported To MS Excel (.xls) & Portable Document Format (.pdf)

STEP NEXT GENERATION POSSIBILITIES

GIS MAPPING



"ARMY MAPPER"

- IMCOM and AEC GIS Standard
- Current Release - Version 2.0
- Available To All Army AKO Account Holders
- Uses Google Maps
- Environmental Layers Are Defined

STEP - NEXT GENERATION POSSIBILITIES

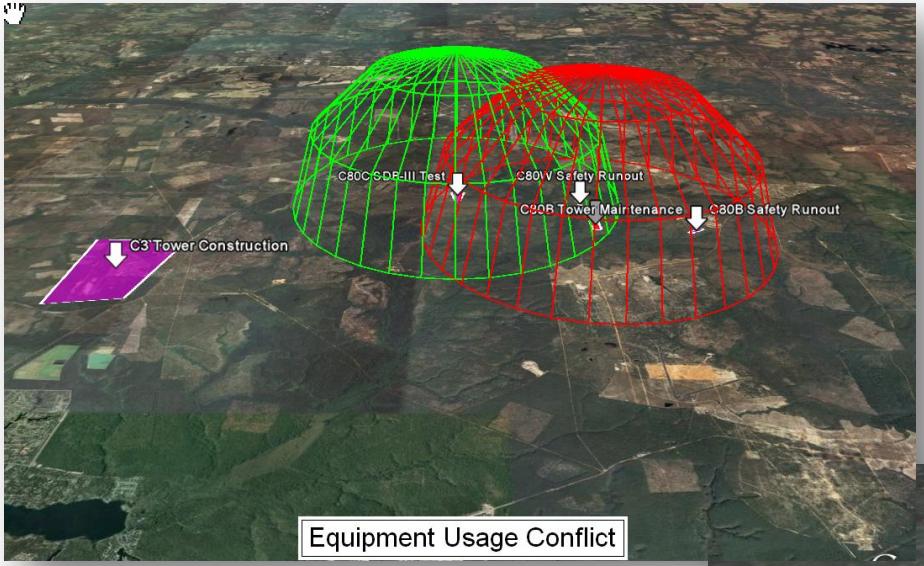
GIS MAPPING *(Cont.)*

Easily Illustrate Company and/or Project Information

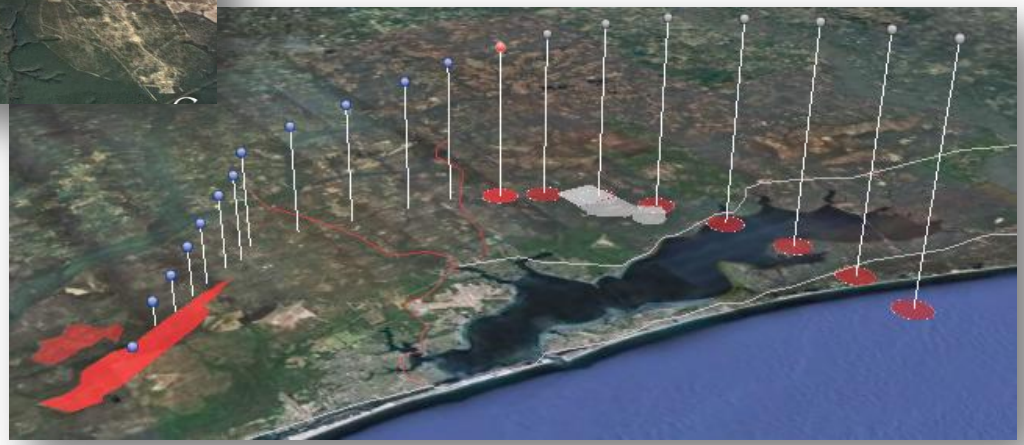
STEP - NEXT GENERATION POSSIBILITIES

GIS MAPPING *(Cont.)*

Time-based/Situational Status Updates



- Illustrate Status Over A Period Of Time
- Highlight Spatial Conflicts Or Encroachments
- Discover Conflicts In Planned And Simulated Scheduling
- Verify Transit Times, Road Closures, Equipment/Personnel Locations



STEP - NEXT GENERATION POSSIBILITIES

DASHBOARD TECHNOLOGY

Dashboards Allow Managers To Manipulate Vast Volumes Of Data Into Easily Understandable Graphical Formats Such As Graphs, Pie Charts And Gauges

SUMMARY

Secure System With Unlimited Access For Growth And Adaptability

Designed To Allow Ease Of Access & Captures "*ALL*" Environmental Requirements *(Including MISSION)*

Improved Quality And Efficiency Of Projects Submitted

Available 24/7, Immediate Access To The Most Current Information Available

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QUESTIONS?

JMC STEP APPICATION